

Here's an example of a **simple** lesson plan:

- Day 1:
 - Mr. Torres game
 - Sign up for CodeCombat
 - Play CodeCombat
 - Whoever gets to the highest level wins a bag of Lindors (or can get another candy of their choice next time)
- Day 2:
 - Start by splitting into pairs of two
 - Each pair works together to create a drawing (straight lines only)
 - Pairs swap pictures with each other
 - Within the pair they choose whether they're Person A or Person B
 - Person A gives instructions on how to create the drawing
 - Person B tries to follow
 - Eat snack
 - Introduction to Pencil Code
 - Pair comes back together to make the drawing they received|on Pencil Code

Keep in mind that this was for a 1 hour class so if you're planning a class that goes from 9-3 it will need to be more detailed (might want to break it down into different times like 9-11, lunch 12-1, break, 1:30-3 that way there's better idea of how much time each activity will take)

Please also include what resources you think you may need (i.e. NXTs, laptops, cameras etc)

Whatever david is doing it's below (don't judge) - Wiring Test bot

- Day 1
 - 9 - 11
 - Explain the what we are going over in general
 - Like what we be doing over the next few days
 - IceBreaker
 - /Names, etc.
 - Go over the tools that we will need
 - crimps , computers, PCB, ZIPTIES
 - Assign groups
 - Small groups within this groups
 - 11 - 12
 - Lunch
 - 12:30 - 3
 - LEDs
 - Kiddos wire them

- With breadboards
 - Small LEDS for the kids to wire
 - I believe we have them with a board or a battery
- Motors?
 - Kiddos wire them
 - From older robots?
 - To shoot balls for fun
 - When groups are done they switch
- If time ANYWHERE we could make a circuit with the breadboards k
- Day 2 -3
 - 9 - 3
 - PCB design
 - What you need to make it
 - Circuit maker - software to make PCB
 - Make their own
 - Make one
 - Design one
 - Next day (day 3)
 - Is it possible to take them PSU and get them made
 - Possibly give to the kids and use the LEDs on them
 - If not we can wire a test bot for half a day
 - We would need 2 test bots to wire up depending on how many people there are
 - If this would be the option then it would only take half a day

LIST OF SUPPLIES

- Crimps
- Wagos
- Zipties
- Computers
- Crimpers
 - Power Plugs
- Test bots
- LEDS
- Bread Board
- Stripers
- 18 - 10 gauge wire
- Box of connectors
- Two yellow platt boxes
- EVERYTHING ELECTRICAL
 - I'll be there if you need me to choose out the things

Basically we are teaching how to do LEDs wire a test bot and a kit bot etc, and basic electrical stuff, giving them a sense of accomplishment. How to wire LEDs, PCB design, how to wire motors, and how to wire a test bot.